

What is claimed

1. A surgical microscope system for operating a surgical microscope over a dental chair of the type having a hinge for rotating the patient position near the patient's hips, comprising:
  - 5 a substantially vertical microscope support arm adapted for fitment on a dental chair adapted for vertical motion in concert with chair vertical motion;
  - a horizontally movable microscope positioning arm having a plurality of hinged links, connected to said vertical support arm; and
  - 10 a microscope coupler for connecting said microscope to said positioning arm; whereby the microscope system is supported for vertical motion and location said support arm;
  - whereby motion of a portion of the chair is used to focus the microscope.
2. The system of claim 1 further including:
  - 15 a terminal link with a repositonalble axis of rotation orthogonal to said vertical support proximate said microscope, whereby said microscope support may be inclined at an angle with respect to said vertical support.
3. A method of using a surgical microscope with a chair having a movable chair bottom and having a rotatable chair back comprising the steps of:
  - 20 mounting a microscope on a substantially vertical pole connected to a dental chair bottom; moving the chair bottom to position the microscope at a location comfortable for the microscope user; rotating the seat back about a pivot point bringing the subject into approximate focus of said microscope.

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